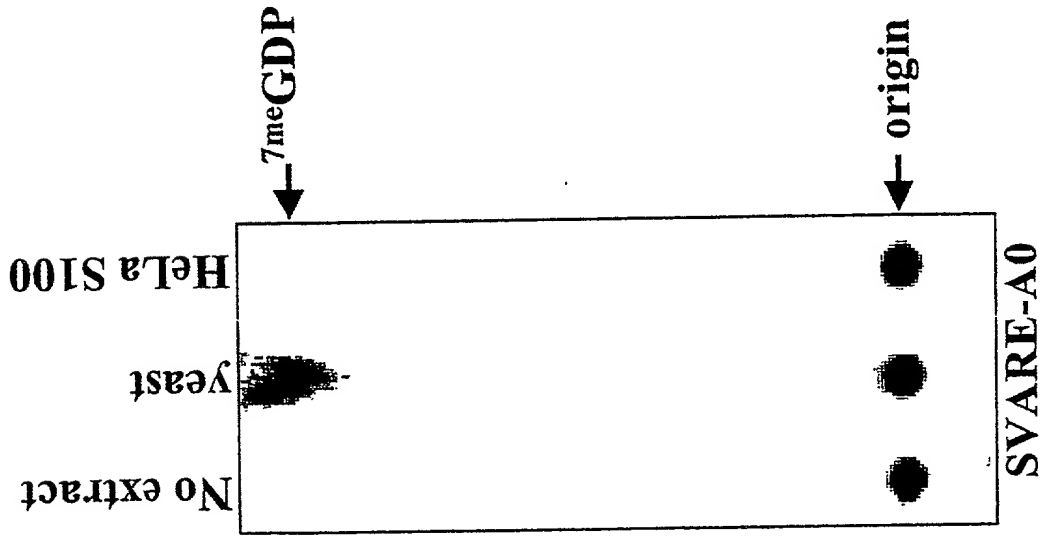


A.



B.

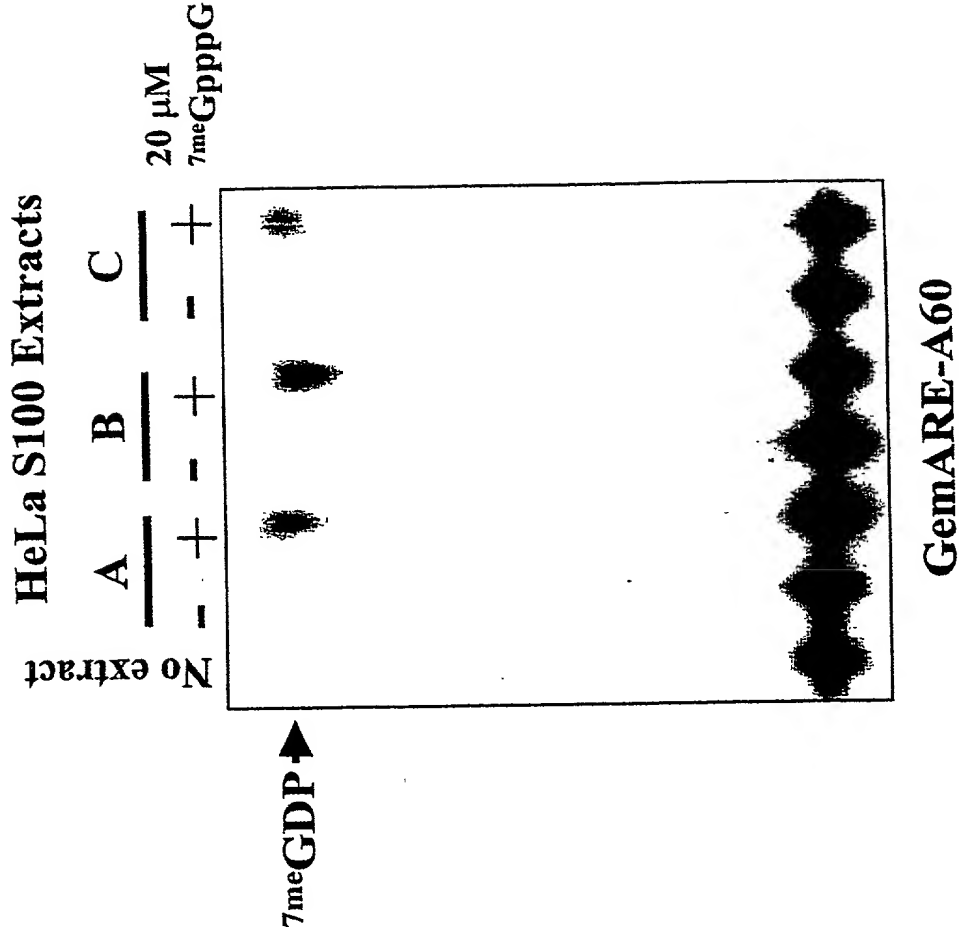


Figure 1.

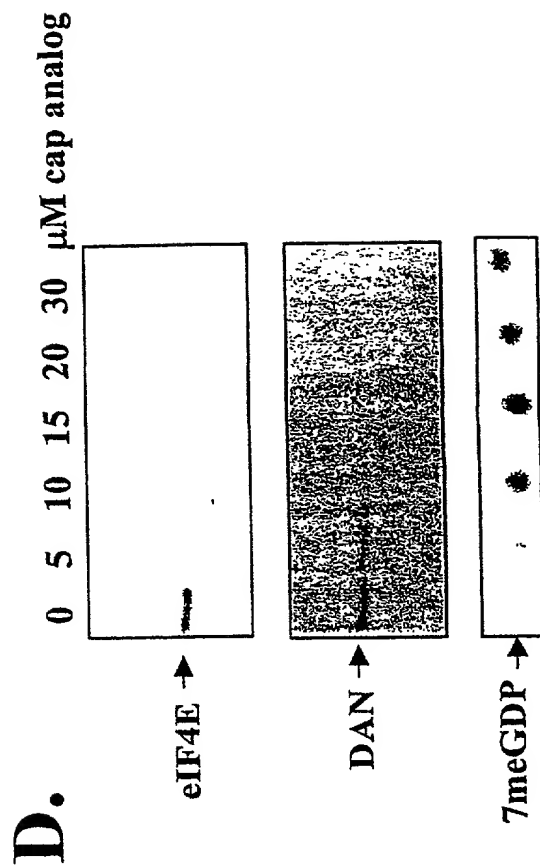
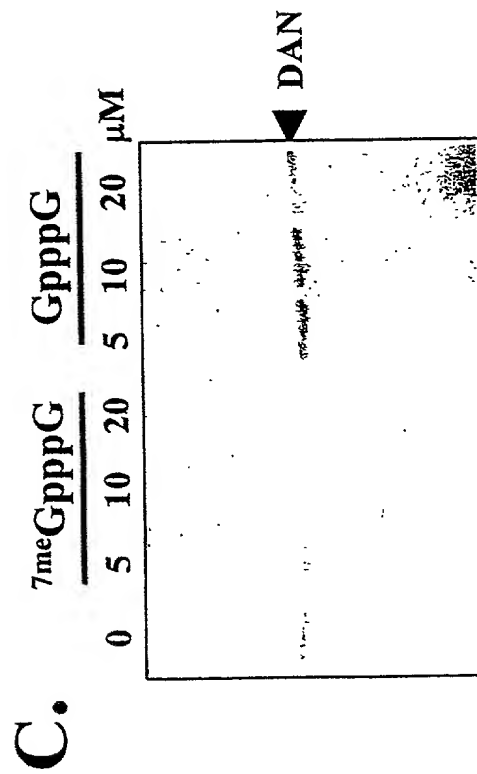
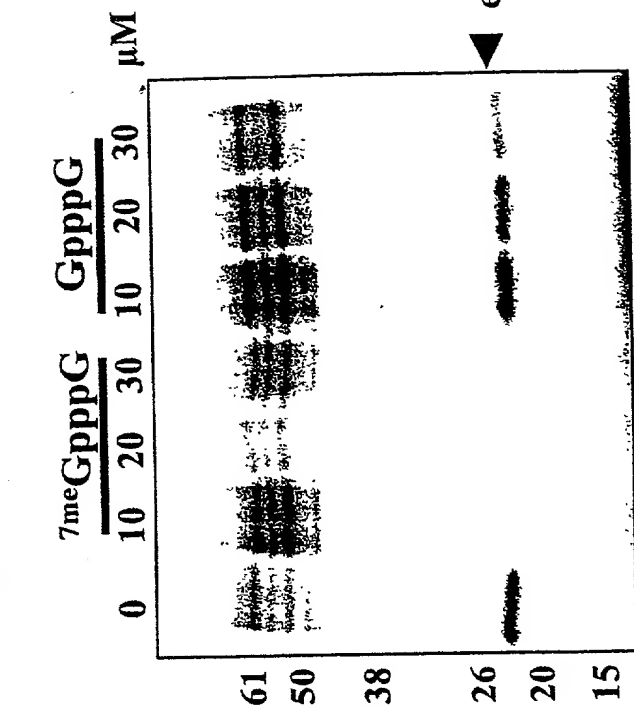
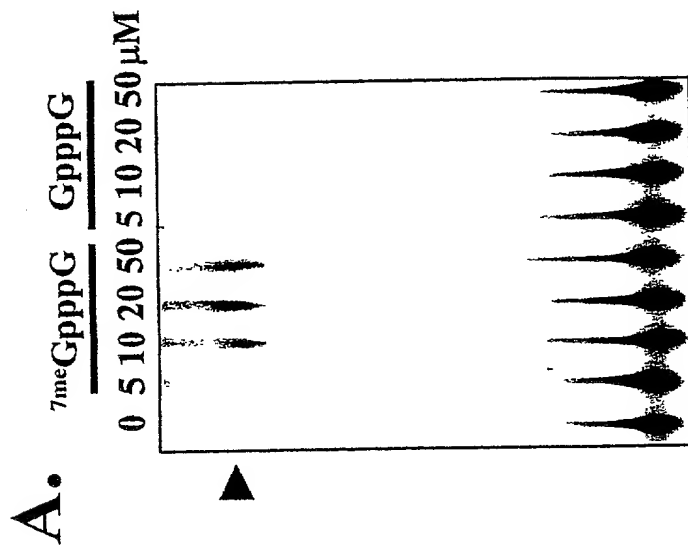
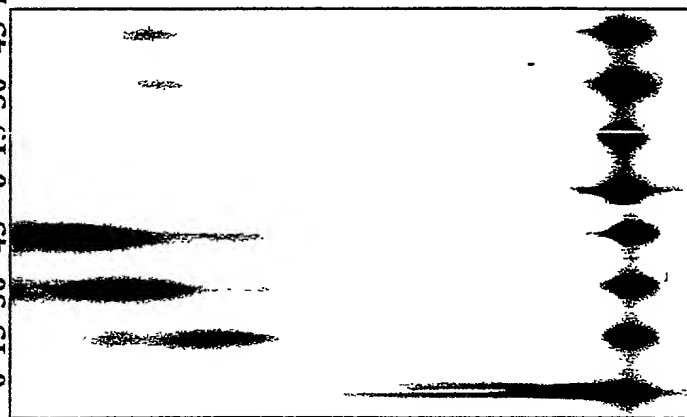


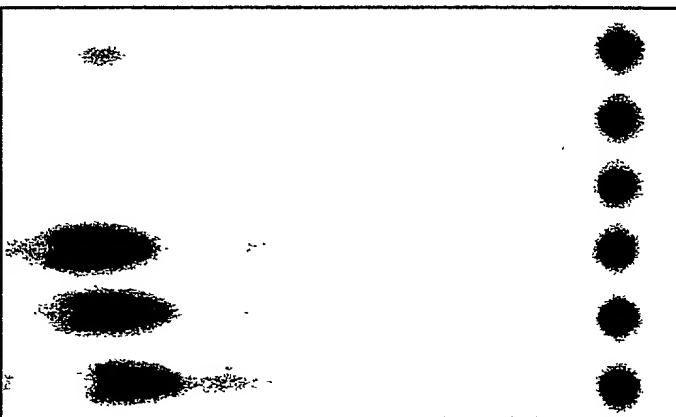
Figure 2.

A

0 15 30 45 0 15 30 45 min

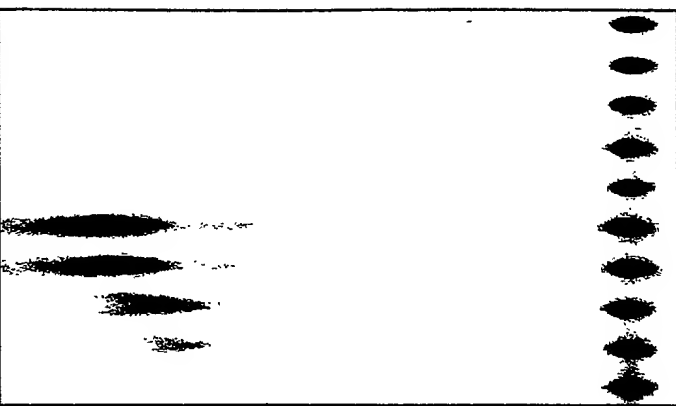


Time	10 min	20 min	30 min
10 min	10 min	20 min	30 min
20 min	10 min	20 min	30 min
30 min	10 min	20 min	30 min



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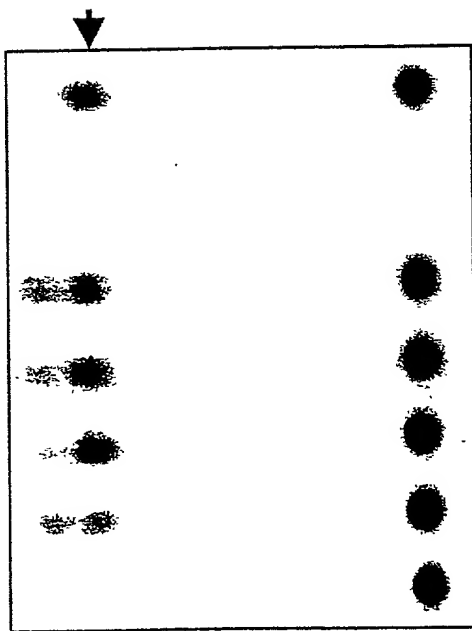
0	5	10	20	30	0	5	10	20	30	min
<div style="display: flex; justify-content: space-between;"> 0.000 0.000 </div>										



A

Poly(A) competitor (ngs)

0 60 120 250 500



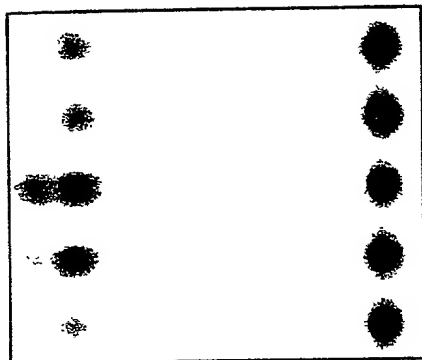
8	53	98	88	82	100
---	----	----	----	----	-----

**% decapping relative
to GemARE-A0**



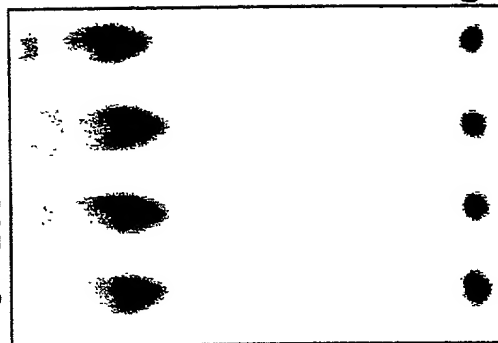
poly(A) poly(C)

0 250 500 250 500 ngs



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0 100 250 500 ngs poly(A)



1.5x 1.6x 1.6x fold stimulation

Figure 4.

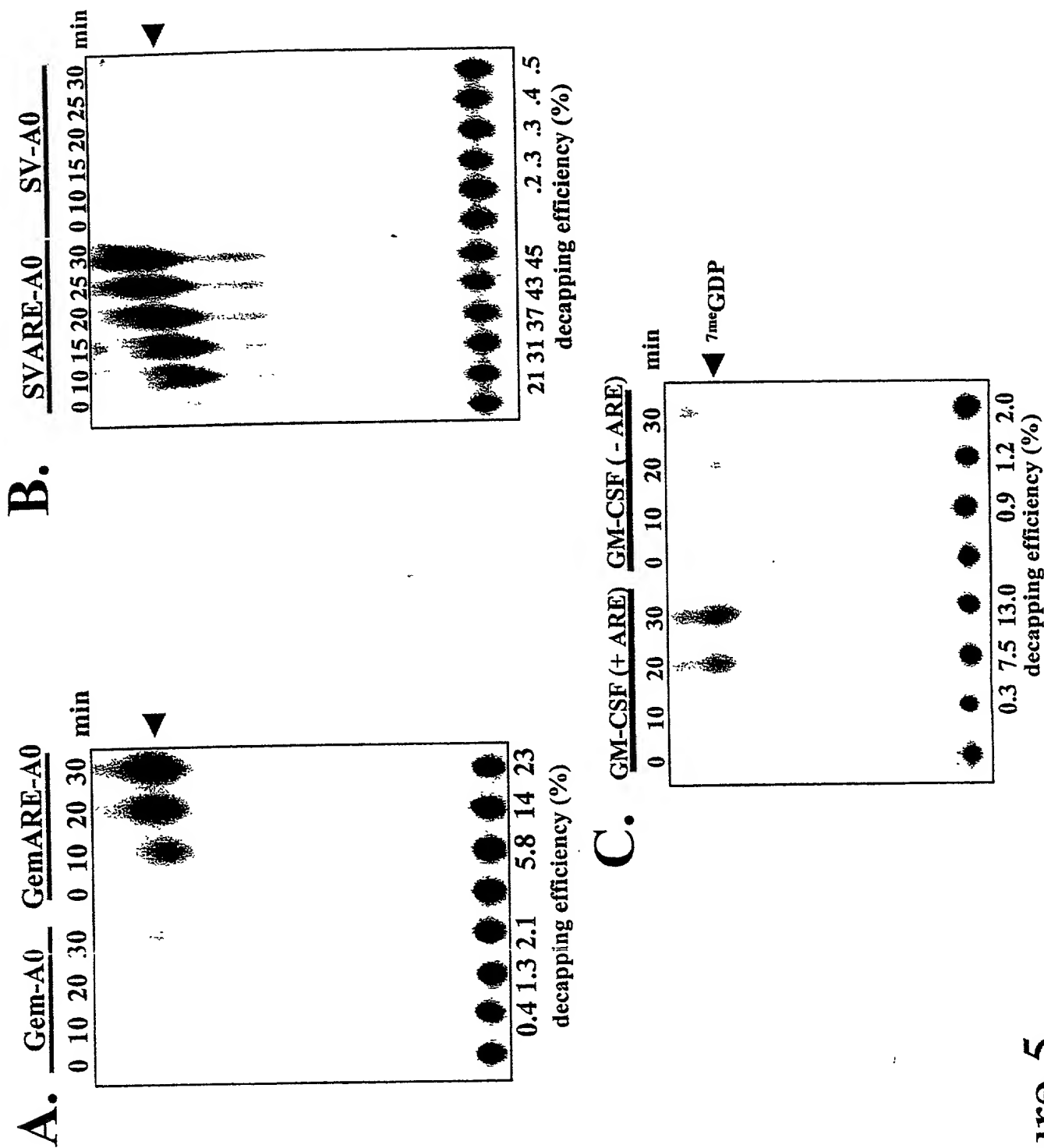


Figure 5.

ARE oligo		Non-specific oligo				p moles competitor	
0	0.125	0.25	0.5	0.125	0.25	0.5	
100%	63%	53%	38%	83%	106%	89%	← 7meGDP
							GemARE-A0

**or accessible for
3'-to-5' exonucleolytic
decay**

Figure 7.

Ammonium Sulfate Fractionation of Decapping Activity in HeLa S100

A

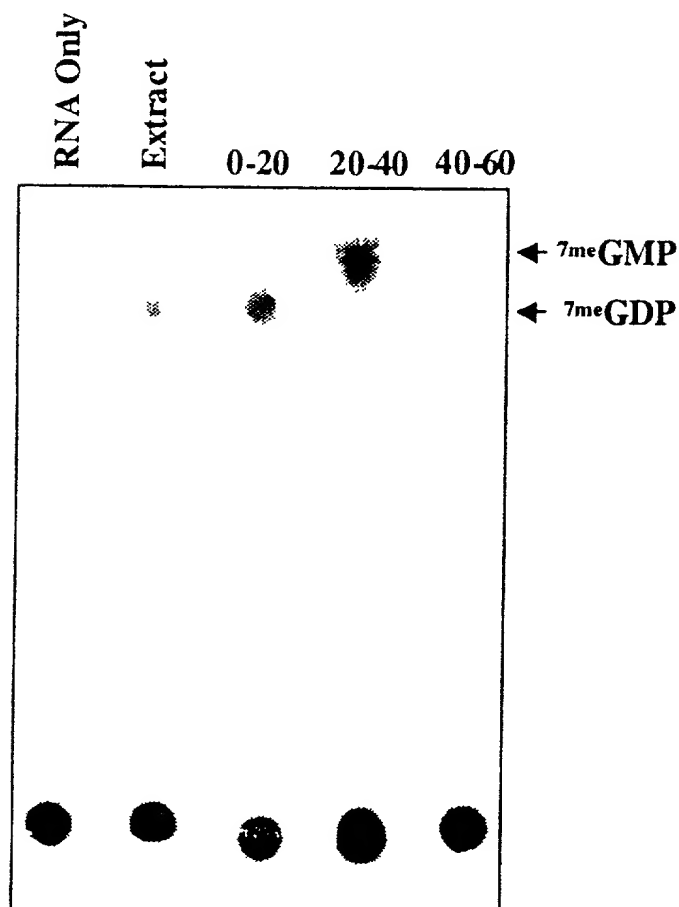
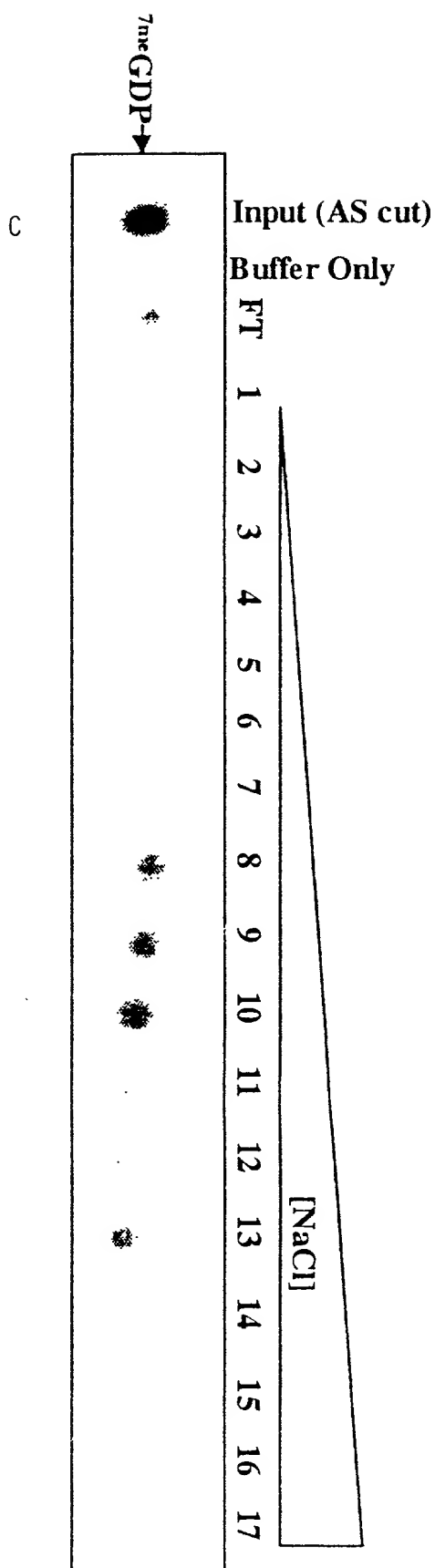


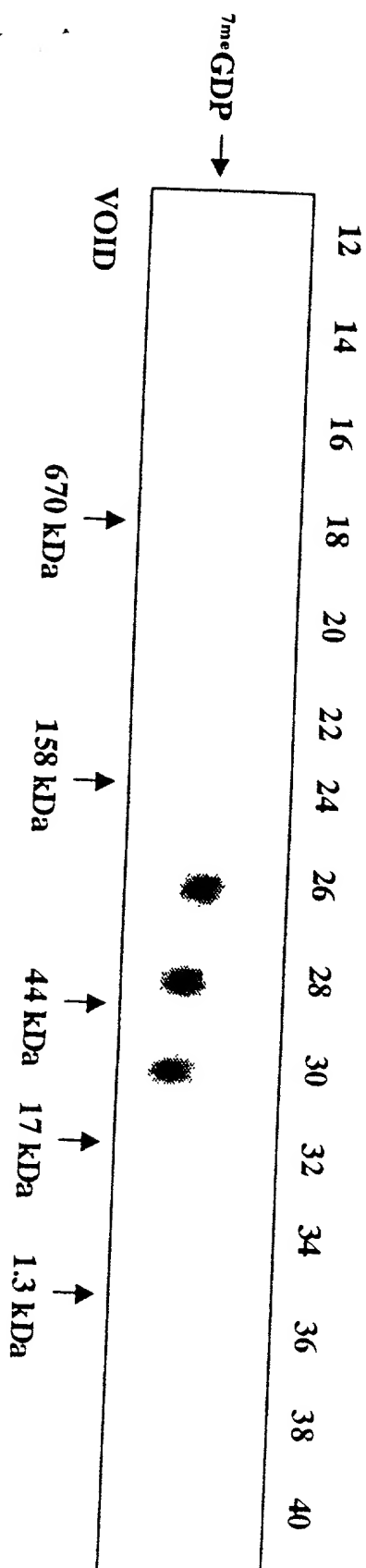
Figure 8, sheet 1

Chromatographic Profile of Decapping Activity on a Heparin-Sepharose Column



C

Chromatographic Profile of Decapping Activity on a Superose-6 Column



B

00056453 004001

Figure 8, sheet 2

The mRNA stabilizing element from the α -globin gene represses decapping in vitro

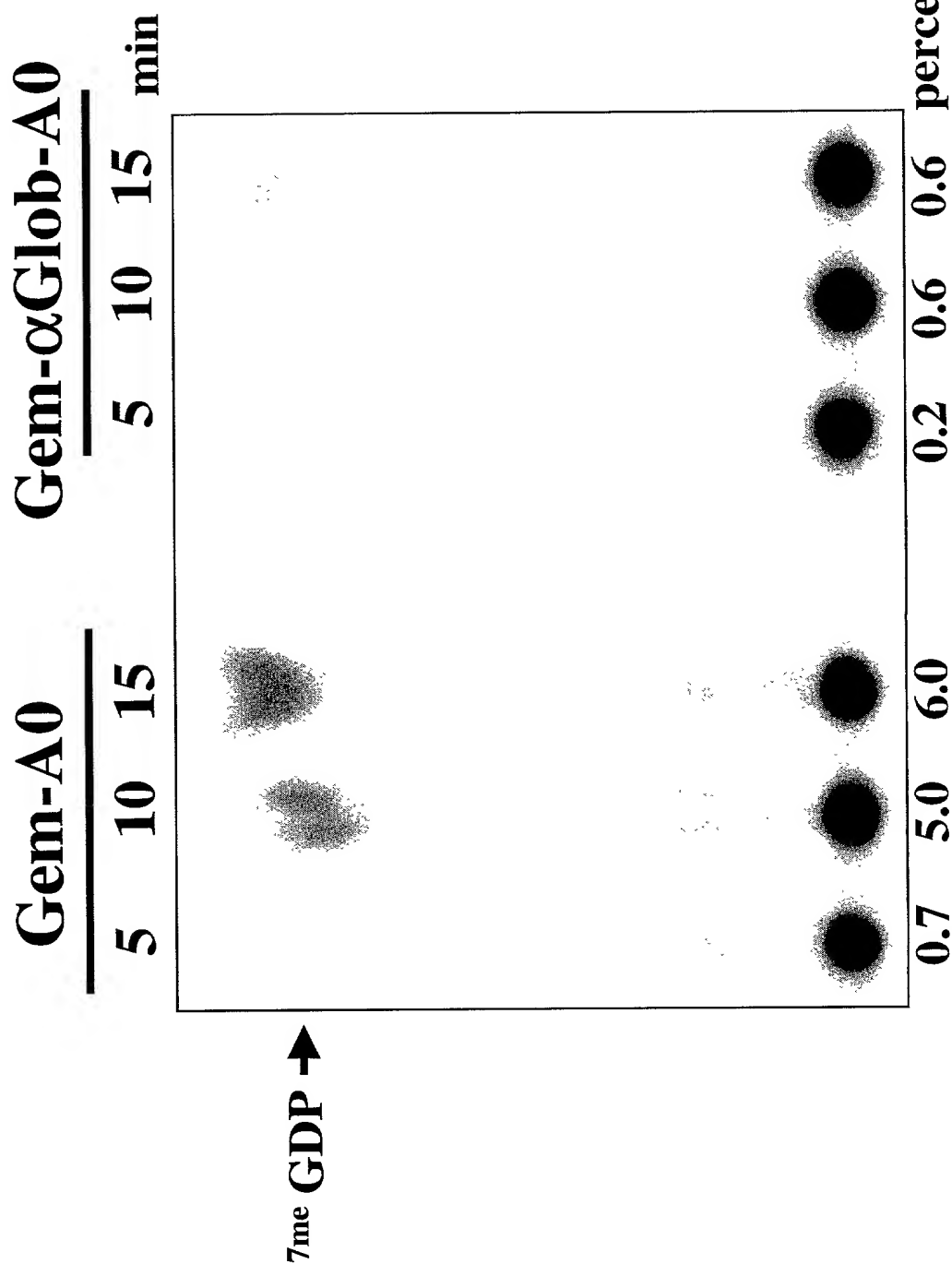


Figure 9